



Rabbit Anti-phospho-STAT6 (Tyr641) antibody

SL1791R

Product Name:	phospho-STAT6 (Tyr641)
Chinese Name:	磷酸化Signal transduction和转录激活因子6抗体
Alias:	STAT6 (phospho Y641); p-STAT6 (phospho Y641); STAT6(Phospho-Tyr641); D12S1644 IL 4 STAT; IL4 STAT; Interleukin 4 Induced; Interleukin 4 Induced Transcription Factor IL4 STAT; Signal Transducer And Activator Of Transcription 6; Signal Transducer And Activator Of Transcription 6 Interleukin 4 Induced; Signal Transducer And Activator Of Transcription 6 Nirs Variant 1; STAT 6; STAT interleukin4 induced; STAT6B; STAT6C; Transcription factor IL 4 STAT.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	94kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated Synthesised phosphopeptide derived from human STAT6 around the phosphorylation site of Tyr641:RG(p-Y)V
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed

The protein encoded by this gene is a member of the STAT family of transcription factors. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein plays a central role in exerting IL4 mediated biological responses. It is found to induce the expression of BCL2L1/BCL-X (L), which is responsible for the anti-apoptotic activity of IL4. Knockout studies in mice suggested the roles of this gene in differentiation of T helper 2 (Th2) cells, expression of cell surface markers, and class switch of immunoglobulins. Also known as: signal transducers and activators of transduction 6; D12S1644; IL 4 STAT; IL4 STAT; Interleukin 4 Induced; Interleukin 4 Induced Transcription Factor IL4 STAT; Signal Transducer And Activator Of Transcription 6 Interleukin 4 Induced; Signal Transducer And Activator Of Transcription 6 Nirs Variant 1; STAT 6; STAT interleukin4 induced; STAT6B; STAT6C; Transcription factor IL 4 STAT.

Function:

Carries out a dual function: signal transduction and activation of transcription. Involved in interleukin-4 signalling.

Subunit:

Forms a homodimer or a heterodimer with a related family member (By similarity). Interacts with NCOA1 via its C-terminal LXXLL motif.

Subcellular Location:

Cytoplasm. Nucleus. Note=Translocated into the nucleus in response to phosphorylation.

Post-translational modifications:

Tyrosine phosphorylated following stimulation by IL-4 and IL-3.

Similarity:

Belongs to the transcription factor STAT family.
Contains 1 SH2 domain.

SWISS:

P42226

Gene ID:

6778

Database links:

[Entrez Gene: 6778](#)Human

[Entrez Gene: 20852](#)Mouse

[Entrez Gene: 362896](#)Rat

Product Detail:

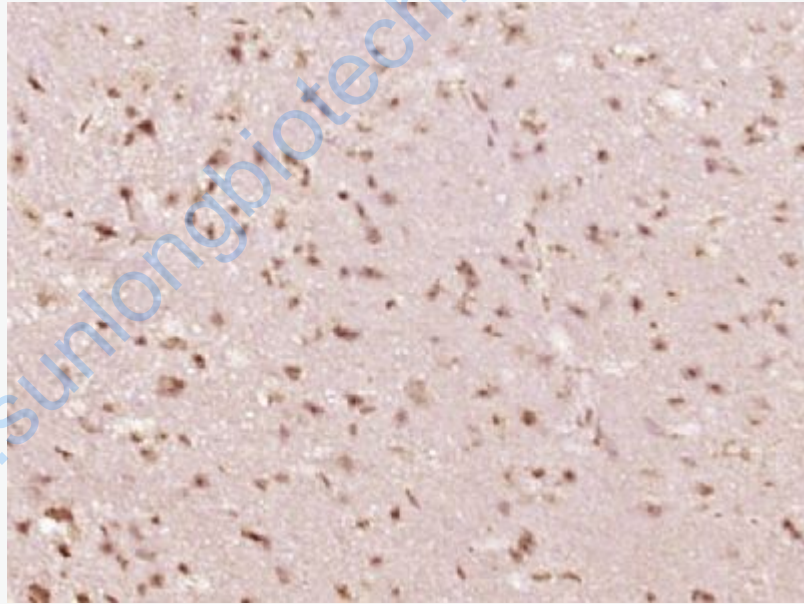
[Omid: 601512](#)Human
[SwissProt: P42226](#)Human
[SwissProt: P52633](#)Mouse
[Unigene: 524518](#)Human
[Unigene: 121721](#)Mouse
[Unigene: 6880](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

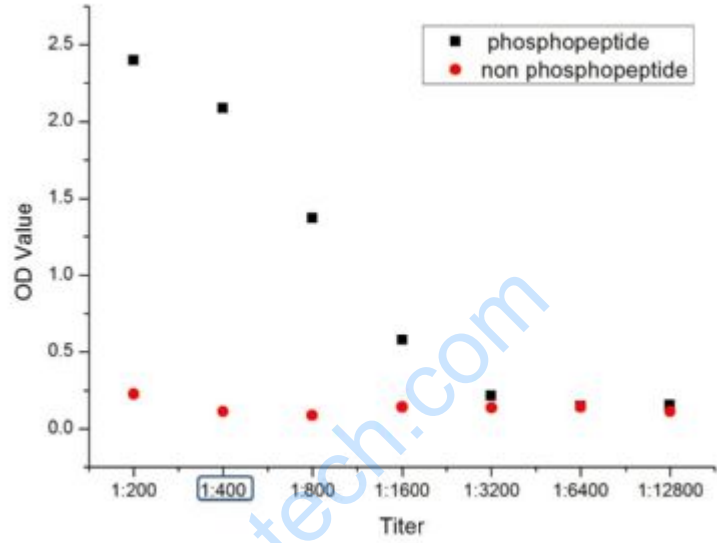
transcriptional regulatory factor (Transcriptin Regulators)

Picture:



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-STAT6 (Tyr641)) Polyclonal Antibody, Unconjugated (SL1791R) at 1:400 overnight at 4°C, followed by

operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



phosphopeptide non phosphopeptide